

**DEPARTMENT OF TRANSPORTATION****DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave.St. 150  
Vallejo, CA 94592-1133  
(707) 649-5453  
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-002379**Date Inspected:** 04-Jan-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dao, Shanghai**Quality Control Contact:** Don Walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coating Inspection**Bridge No:** 34-0006**Component:** Office, OBG 8AW, Sub-Assemblies, OBG 8B**Bid Item:** 77, 78, 79**Lot No:** B265**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

**Office**

Attend to report writing and uploading backlog of reports into PMIV.

**OBG 8AW**

Internal undercoated surfaces were given a Dry Film Thickness (DFT) verification check and also visual for deficiency resolution.

**Sub-Assemblies**

Undercoated Tower Splice Plates were checked for DFT and visual for holidays and re-work. Tower Splice Plates were for North and South Tower Shafts. Splice Plate codes as follows: South SPSA3-64, SPSA3-60, SPSA3-57, SPSA3-1, SPSA3-5 North SPSA3-64, SPSA3-60, SPSA3-57, SPSA3-1, SPSA3-5.

**OBG 8BW**

Internal base metal surfaces from the End Weld Seam through Panel Points # 66 & 67 Floor "T" Stiffeners and Lower Chevron Assemblies and lower portions of Floor Beam diaphragms were abrasive blasted to an SSPC SP-10 condition and Interzinc 22 undercoat applied. Four (4) inspections were performed until achievement of SP-10. Also on the external surface 3 additional dollies were affixed to perform additional adhesion testing in adjacent area where failed testing was previously performed.

Note: All inspections were performed jointly with ABF & ZPMC QA/QC representatives and Caltrans QA Lumley when achievable. International Protective Coatings technical service representative were available for

---

## SOURCE INSPECTION REPORT

( Continued Page 2 of 2 )

---

inspections and consultation.

### Summary of Conversations:

No relevant conversations on this date..

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang (858) 699-9549, who represents the Office of Structural Materials for your project.

---

<b>Inspected By:</b>	Lumley,James
----------------------	--------------

Quality Assurance Inspector
-----------------------------

---

<b>Reviewed By:</b>	Peterson,Art
---------------------	--------------

QA Reviewer
-------------